

-- Forwarded by Garyg Miller/R6/USEPA/US on 10/15/2007 02:20 PM -----

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Gulfco CrVI analyses

Hi Gary –

As we discussed last week, attached is a memorandum from the Gulfco Project QA Manager regarding the missing Cr(VI) analyses for soil and some sediment samples. As I indicated in our conversation, total chromium analyses were performed on all samples. As you know, the total chromium analyses include Cr(VI) concentrations, which are typically reduced to Cr(III) in the environment. The total chromium screening values for soil and sediment as provided in RI/FS Work Plan Tables 15 and 21 are lower than the Cr(VI) screening values for these media. No sediment samples contained total chromium concentrations exceeding screening values, and only one soil sample had a total chromium concentration exceeding the Cr(VI) screening value. This exceedence was in the surface sample (0 to 0.5 foot depth interval) from location SH4SB64-127, which is located in the center of the South Area of the Site. The total chromium concentration in this sample was 136 mg/kg (relative to the Cr(VI) screening value of 71 mg/kg). Since this is a surface sample from the center of the Site there are not any extent of contamination implications from this exceedence.

Please let me know if you have any questions regarding this memo or would like any additional information.

Thanks.

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